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Fachliteratur, Heft 1. by A. D. Petrov, V. F.
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Synthesis of Some Alkylbenzenes and Alkylcyclohexanes
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Synthesis and Transformations of Butadienylsilanes,
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Petrov, V. P. Mironov, G. I. Nikishin, 8 pp.

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Spectroscopy, by Yu. P. Egorov, Al. A. Petrov,
6 pp.

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Catalytic Properties of Activated Aluminum Oxide
(In Isomerization Reactions of Unsaturated
Hydrocarbons), by K. G. Myasnikov, O. E. Morozova,
Al. A. Petrov, 4 pp.

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SYNTHESIS OF 9,10-DIMETHYLOCTADECANE AND
9,10-DIPROPYLOCTADECANE [1961] 3p. 13 refs.
Order from OTS or SLA \$1.10 61-18202

Trans. of Zhurnal Obshchei Khimii (USSR) 1944,
v. 14, p. 498-500.

DESCRIPTORS: Synthesis, *Propanes, Hydrocarbons,
*Fuel oil, Methyl radicals, Alkyl radicals, Propyl
radicals, *Methanes, Viscosity, Antiknock.

Synthesis of two isoparaffins with 20 and 24 carbon
atoms, respectively, was effected, namely, 9,10-
dimethyloctadecane and 9,10-dipropyloctadecane.
These hydrocarbons are characterized by low pour
points, satisfactory antiknock properties and a flat
temperature-viscosity curve. (Author)

(Chemistry--Organic, TT, v. 6, no. 8)

61-18202

I. Petrov, A. D.
II. Shchupina, Z. K.
III. Ol'dekop, Yu. A.

195126

Office of Technical Services

Petrov, A. D. and Lapteva, E. I.
SYNTHESIS AND PROPERTIES OF SOME HIGHER
HOMOLOGS OF BENZENE, III. [1961] 3p. 12 refs.
Order from OTS or SLA \$1.10 61-18203

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 495-497.

DESCRIPTORS: *Benzenes, Synthesis, Chemical
properties.

Properties of newly synthesized propyloctylphenyl-
methane and dibutylonylphenylmethane were studied
and blending cetane numbers of methylonylphenyl-
methane were determined. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-18203

I. Petrov, A. D.
II. Lapteva, E. I.

Office of Technical Services

Petrov, A. D. and Kurbakii, G. P.
SYNTHESIS AND PROPERTIES OF MONOALKYL
NAPHTHALENES $C_{17}-C_{21}$ AND SOME HYDROGE-
NATED DERIVATIVES OF THEM. [1961] 3p. 8 refs.
Order from OTS or SLA \$1. 10 61-18204

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 492-494.

DESCRIPTORS: Naphthalenes, Synthesis, Antiknock,
Alkyl radicals, Hydrocarbons.

Synthesis of four alkylated naphthalenes with from 17
to 21 carbon atoms is reported; two of these were
hydrogenated to the corresponding decalin derivatives.
Four points and antiknock properties of these hydro-
carbons expressed in cetene numbers were determined.
(Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-18204

I. Petrov, A. D.
II. Kurbakii, G. P.

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Petrov, A. D. and Chel'tsova, M. A.
**SYNTHESIS AND PROPERTIES OF AROMATIC AND
NAPHTHENIC HYDROCARBONS WITH FROM 19 TO
26 CARBON ATOMS, II. [1961] 7p. 17 refs.**
Order from OTS or SLA \$1.10 61-16637

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12,
p. 87-94.

DESCRIPTORS: *Fuel oil, *Benzenes, *Cyclohexanes,
Naphthalenes, *Hydrocarbons, Synthesis, Chemical
properties, Alkyl radicals.

Synthesis of 12 hydrocarbons with from 19 to 26 carbon
atoms is reported, mainly monoalkylbenzenes and
monoalkylcyclohexanes. Physical constants and the
most important technical properties characterizing
these hydrocarbons as Diesel fuel constituents have
been evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16637

I. Petrov, A. D.
II. Chel'tsova, M. A.

Office of Technical Services

Spectroscopic Investigation of Factors Conditioning
 β -Elimination Reactions of β -Halocalkylsilanes, by
M. I. Batusov, A. D. Petrov, V. A. Ponomarenko, A. D.
Matveyeva, 10 pp.

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1956, pp 2336-2345.

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Synthesis of α -(Trimethylsilyl)Styrene,
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Unsaturated Organosilicon Compounds, by
A. D. Petrov, V. F. Nironov and V. G.
Glukhovtsev, 5 pp.

RUSSIAN, paper, Zhur Obshch Khim, Vol XXVII, N.
6, 1957, pp 1535-1539.

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The Addition of Polyhalogensilanes to Com-
pounds Containing a Triple Bond, by L. L.
Shchukovskaya, A. D. Petrov, Yu. P.
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No 12, 1956, pp 3338-3340.

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The Synthesis of Branched Aliphatic Hydrocarbons of Composition C₁₀ - C₁₅ by the Grignard and Grignard-Wurtz Reactions, by A.D. Petrov, V. L. Sushchinsky, E. P. Zakharov and T. I. Rogozhnikova, 10 pp.

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Allene-Acetylenic Isomeric Transformations in
the Silicohydrocarbon Series, by S. I.
Sadykhzade, Yu. P. Egorov, A. D. Petrov, 4 pp. ¹⁹⁵⁷
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIII, No 3, ₄
pp 620-623.

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Direct Synthesis of Naphthyltrichlorosilane, by
P. S. Sanin, A. D. Petrov, 2 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 4,
1957, pp 926-927.

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Sci - Chem

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